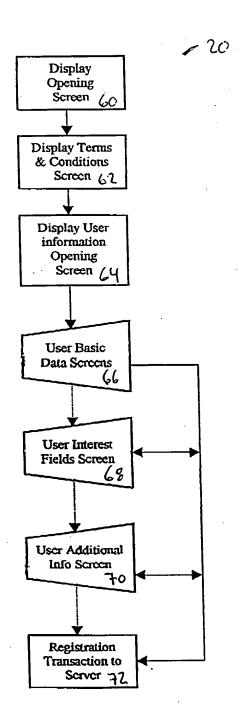


F16. 2B



F16, 20

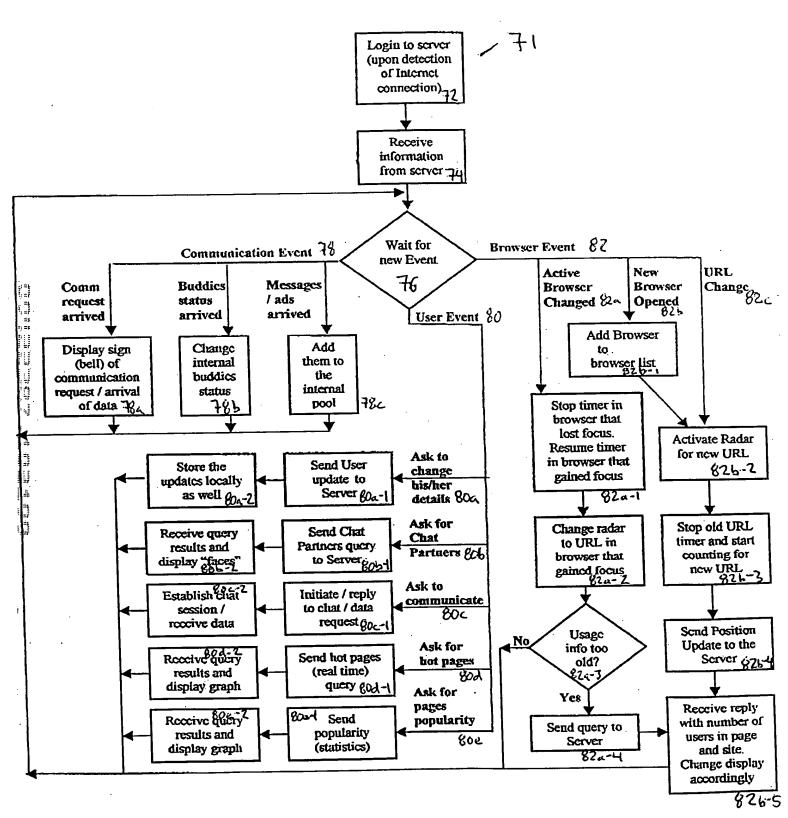


FIG. 2D

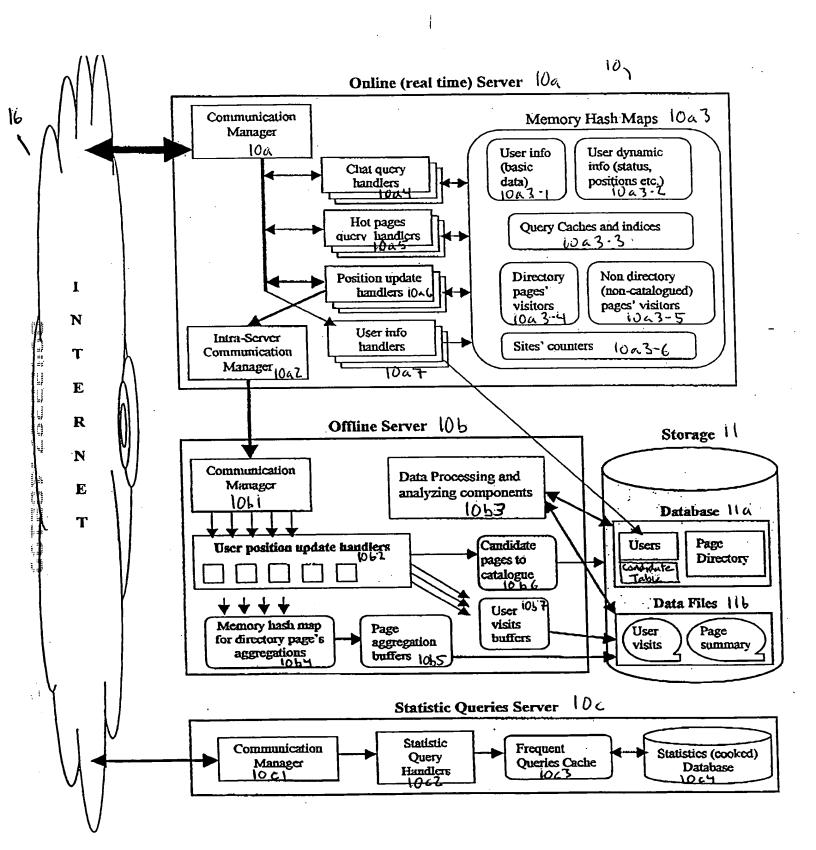


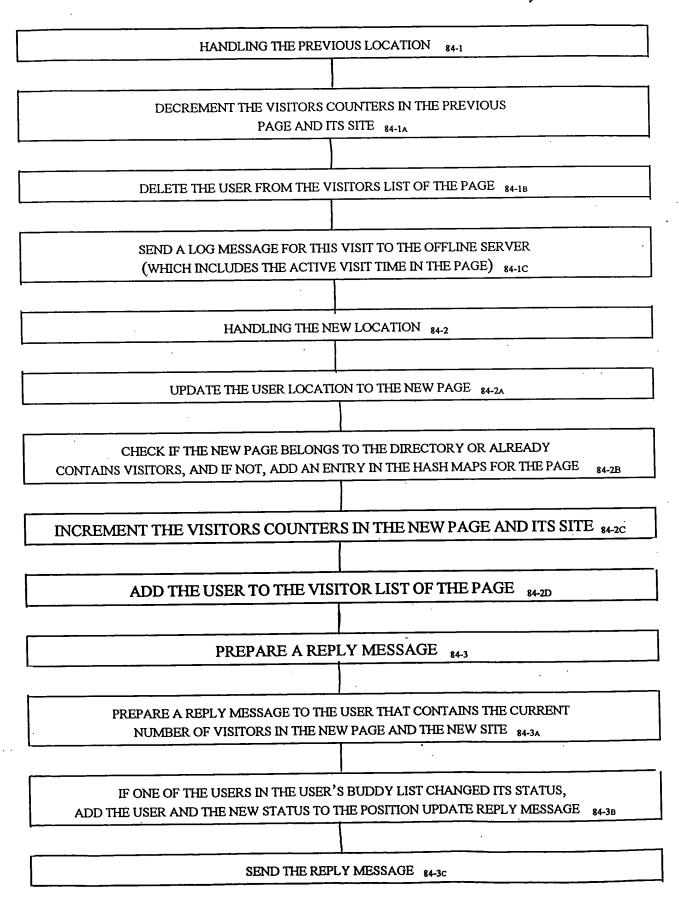
FIG. 3

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Fig. 5



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IF THE QUERY CALCULATION TIME IS WITHIN PREDETERMINED TIME, THEN USE PRE-CALCULATED RESULTS TO COMPILE A REPLY AND SEND REPLY TO USER 86-1A

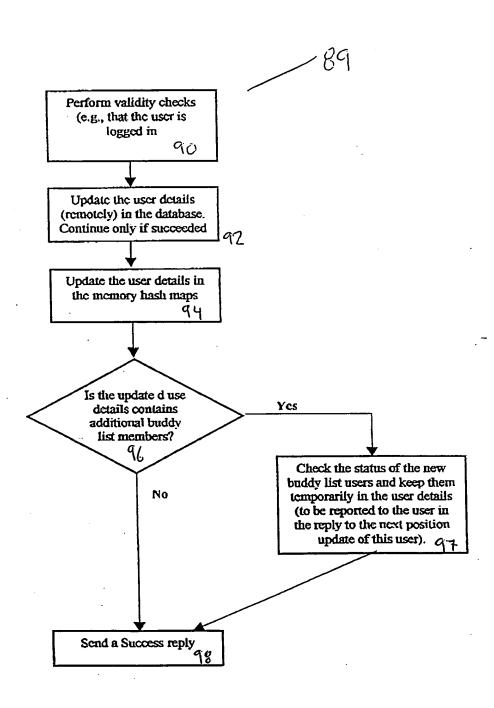
IF QUERY CALCULATION TIME IS TOO OLD, GENERATE NEW RESULTS FOR THE QUERY 86-1B

IF THE QUERY IS FOR PAGES NOT ALREADY IN THE DIRECTORY, SCAN THE NON-DIRECTORY PAGE'S VISITORS HASH MAP TO LOCATE THE MOST POPULAR PAGES, OTHERWISE, SCAN ALL CATALOGUED PAGES IN THE DIRECTORY TO LOCATE THE MOST POPULAR PAGES 86-2

FIG. 6B

IF THE QUERY PARAMETERS CONTAIN A FIELD OF INTEREST, SCAN ALL ACTIVE USERS FOR USERS THAT MEET THE REQUIRED CRITERIA AND DECLARED BEING INTERESTED IN A SUBJECT WHICH IS IN THE SUB-TREE OF THE GIVEN SUBJECT. ONCE A PREDETERMINED NUMBER OF SUCH USERS ARE FOUND, COMPILE A REPLY TO THE USER SUBMITTING THE QUERY 88A

OTHERWISE, SCAN THE VISITORS OF THE GIVEN PAGE AND OTHER PAGES OF THE SAME WEB SITE FOR USERS THAT MEET THE REQUIRED CRITERIA, SELECT THOSE THAT MEET A PREDETERMINED NUMBER OF THE "NICE TO HAVE CRITERIA," AND COMPILE A REPLY TO THE USER SUBMITTING THE QUERY 88B



F16. 6D